

Appendix A: Project Recommendations Matrix

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Project	Map ID	Project Mode	Description	Estimated Cost	Estimated Timeframe	Additional Notes and Justification
Extend Transit Route to US 322/US 1 (Painters Crossing Area)	T22	Transit	Explore options for extending DTC service into PA to provide a single stop near the US 202 / US 1 Intersection	Medium	Additional Market Study Need	To be paired with SEPTA service for better efficiencies
Merge Routes 35 and 48	T22	Transit	Merging Routes 48 and 35: Keep existing route 35 North of Powder Mill, then follow route 48 South through Hospital	Low	Medium (3-8yrs.)	
Increase Concord Pike Route 2 Headways	T2	Transit	Change from hourly service to 30 min. from 6:50pm to 9:50pm (or later)	Low	Medium (3-8yrs.)	Additional efforts to extend service later in evening to accommodate workers
Examine Possible Limited Stop Bus Service Concepts	T44	Transit	Explore limited stop bus service along US 202 between West Chester and Wllmington.	High	Additional Study Needed	Limited service minimizes the number of stops, which shortens travel time for passengers and creates. Based on DVRPC report from 2017
Better public information and access to park and rides	857	Transit	Provide better signage on P n R locations and other ways to advertise	Low	Short (1-3yrs)	Currently difficult to locate or lack of publicity
Better public information and access to park and rides	67	Transit	Provide better signage on P n R locations and other ways to advertise	Low	Short (1-3yrs)	Currently difficult to locate or lack of publicity
Better public information and access to park and rides	2662	Transit	Provide better signage on P n R locations and other ways to advertise	Low	Short (1-3yrs)	Currently difficult to locate or lack of publicity
Better public information and access to park and rides	2107	Transit	Provide better signage on P n R locations and other ways to advertise	Low	Short (1-3yrs)	Currently difficult to locate or lack of publicity
Improve ped access to bus stops in Concord Mall area	T1	Transit	Move transit stops closer to 202. Remove circuitous current routing while adding better ped facilities within properties	Low	Short (1-3yrs.)	Allow for more on-corridor transit stops to improve access and schedule efficiencies
Naamans Rd. Multi-Use path: Ebright Rd. to Ramsey	BP65	BikePed	Expand sidewalk to a multi-use pathway	Medium	Medium (3-8yrs.)	East/West access for residents to/from BTC and to Parkland
Side Path: Avenue North	BP22b	BikePed			Medium (3-8yrs.)	Possible to be internal within Avenue North
On-Alignmant sidepath	BP33c	BikePed	Weldin Rd. to Murphy Rd.	Low/Medium	Long (8+yrs)	
Off-alignment Bike/Ped: Concord Mall to Grubb Rd.via Devon Park	BP8	BikePed	Provide bike/ped connection - Multi-use path	High	Long (8+yrs)	Provides more direct connection for Eastern residential areas to Mall area.
Wayfinding Signage Improvements: Sharpley to Brockton Rd.	BP44b	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3yrs.)	Use of existing Low volume street to future mid-block crossing.
Wayfinding Signage Improvements: Brockton to Whitby	BP15a	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3yrs.)	Use of existing Low volume street to future mid-block crossing.
Off-Alignment Sidepath: Silverside to Righter Pkwy	BP22	BikePed	Addition of multi-use path	Medium	Medium (3-8yrs.)	Provide more direct connections for residential and commercial properties
Multi-Use path along Garden of Eden Rd.	BP 77	BikePed	Construct multi-use path along GArden of Eden Rd. from Passmore to Severn/Park access	Medium	Long (8+yrs.)	Provides direct low-stress bike/ped connection to residents and access to State Park
Sidelpath Connection	BP14	BikePed	Expand existing sidewalk to Multi-use pathway	Low/Medium	Medium (3-8yrs.)	
Pathway Connection: Mall to Future BCC	BP 19	BikePed	Bike/ped access to future re-development of BCC via Silverside Rd.	Medium	Long (8+yrs)	Lack of support for motorized access. Dependent on final land use plan for BCC
Pathway Connection: Widener Law area to Future BCC	BP17	BikePed	Bike/ped access to future re-development of BCC	Medium	Long (8+yrs)	Lack of support for motorized access. Dependent on final land use plan
Enhanced Bike / Ped Connection	BP11	BikePed	Improved	Medium	Medium (3-8yrs.)	Based on LTS analysis, location is a key East/West connection
Bike/Ped Underpass - Further study & analysis	BP1	BikePed	Create bike/ped underpass under US 202	High	Long (8+yrs)	Provide safe crossing in dense commercial/retail area. Gives E/W access to State Park
Sharpley/Alders signalized bike/ped crossing/pathway	BP4	BikePed	Provide safer bike/ped facilities at 202/Sharpley approaches	Medium	Medium (3-8yrs.)	Identified as a key East/West connection based on LTS anlalysis

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Signalized Bike/Ped Crossing between Delaware and Nichol Ave.	BP6	BikePed	Create bike/ped mid-block crossing	Medium	Short (1-3yrs.)	To be coordinated with existing traffic signals. Location based on LTS analysis
Sidepath Connection	BP13	BikePed	Mult-Use pathway Garden of Eden to Mt. Lebanon Rd.	Medium	Medium (3-8yrs.)	Better access around several recreation destinations
New multi-use pathway connector	BP12	BikePed	New multi-use path connecting Mt. Lebanon Rd to Whitby Dr.	Medium	Medium (3-8yrs.)	Provide low-stress and direct access to recreation centers
Sidepath Connection: Sharpley Rd.	BP15	BikePed	Expand existing sidewalks to mult-use path	Medium	Medium (3-8yrs.)	To compliment East/West connection location per LTS analysis
Off-Alignment Side Path	BP33b	BikePed	Murphy Rd. to Alders Ln.		Medium (3-8yrs.)	Provide low stress bike/ped options in already congested area. Wayfinding and signage
Off alignment Pathway: Silverside to Widner/Mall Area	BP33a	BikePed	Silverside to Widner Law School area with access to underpass	Medium	Long (8+yrs)	Pending future development of BCC
Off-Alignment Bike Ped Route	BP33	BikePed	Widener Law School to Naamans Rd.	Medium	Medium (3-8yrs.)	Subject to any redevelopment of Concord Mall
Upgrade Ped connection to mult-use path	BP77	BikePed	Enhance existing ped connection	Medium	Medium (3-8yrs.)	Provides safe access to/from mid-block crossing, provided it is built
On-Alignment Sidepath/Sidewalk: Rocky Run to Naaman's	BP21	BikePed	Bike/Ped facilities along roadway	Medium	Medium (3-8yrs.)	Allow for more efficient transit use. Part of PAR??
On-Alignment Sidepath/Sidewalk: Silverside to Rocky Run	BP21	BikePed	Bike/Ped facilities along roadway	Medium	Short (1-3yrs.)	Allow for more efficient transit use. PAR project?
Wayfinding Signage Improvements: Alders to Florence Ave.	BP33	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3yrs.)	Use of existing Low volume street to future mid-block crossing.
Jewish Community Center Connector	3	BikePed	Complete connection with existing walking path around JCC	Medium	Medium (3-8yrs.)	Also connects to State Park pathway @ Garden of Eden Rd.
Merrideth Trail	6	BikePed	Off alignment pathway connection to proposed improved trail	Low/Medium	Medium (3-8yrs.)	County property
Merrideth Trail Connector	7	BikePed	Connection to proposed Meridith Trail via Woodley Park	Low/Medium	Medium (3-8yrs.)	County Property
Merrideth Trail via Woodley Park	8	BikePed	Off alignment pathway. Improves some existing paths	Low/Medium	Medium (3-8yrs.)	Part of existing pathways. County property
Powdermill Road Sidepath	18	BikePed	Upgrade sidewalk to mult-use path	Low/Medium	Medium (3-8yrs.)	
Whitby Drive Intersection Approach Sidepath	25	BikePed	Upgrade existing sidewalk to multi-use sidepath	Low/Medium	Medium (3-8yrs.)	Provides connections to other proposed sidepaths
Wayfinding Signage Improvements: Black gates Rd.	28b	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low/Medium	Long (8+yrs.)	Added side path. Connection to Blue Ball
Blue Rock Manor Park Connector	31	BikePed	Connect Fairfax Blvd. and Alders Lane. Improvements to existing footbridge	Medium	Medium (3-8yrs.)	Provides more direct connection to well established off alignment, low stress facility
Concord Square Sidepath	32	BikePed	New multi-use path	Low/Medium	Medium (3-8yrs.)	Sidepath on Southern side
Concord Square Sidepath	33	BikePed	Addition of multi-use path	Low/Medium	Medium (3-8yrs.)	
Mt. Lebanon Road Sidepath	34	BikePed	Convert existing sidewalk to Multi-use pathway	Low/Medium	Medium (3-8yrs.)	
Wilmington Pathways	35	BikePed	Provide non-motorized access of Brandywine Blvd. through the Commons	Lo	Medium (3-8yrs.)	Improve non-motorized circulation along a low-stress roadway (Brandywine Blvd.)
Wilmington Pathways	36	BikePed	Addition of multi-use pathway from Brandywine Blvd. to Silverside Rd.	Low	Medium (3-8yrs.)	Improve non-motorized circulation. Uses existing easement
Wilmington Area Pathways	39	BikePed	Provide connection to proposed internal N/S pathway	Low	Medium (3-8yrs.)	Improve non-motorized circulation

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Springer Middle School Connector Network	40	BikePed	Off alignment pathway from Hoyer Ct. to Florence Ave. Access path	Low/Medium	Long (8+yrs.)	Located on School property
Shellpot Creek Trail Connector	41	BikePed	Off alignment connection from Shipley Rd. to proposed Shellpot Creek Trail	Low	Long (8+yrs.)	Use of existing ROW Easement and County Property (Shellpot Park)
Shellpot Creek Trail	42	BikePed	Off alignment connection from Shipley Rd. to proposed Shellpot Creek Trail	Low	Long (8+yrs.)	Private Property through Assisted living property
Shellpot Creek Trail Delwynn Dr. to Coachman Rd.	43	BikePed	Upgrade of existing sidewalk to multi-use pathway.	Low	Medium (3-8yrs.)	Improve existing sidewalk
Brandywine Country Club Pathways	50	BikePed	Provide bike/ped access from cul-de-sac into future BCC development		Long (8+yrs.)	Pending any BCC redevelopment
Brandywine Country Club Pathways	51	BikePed	Addition of multi-use path, connecting proposed Concord Pathway with existing trail on Peirson Dr.		Long (8+yrs.)	Tie into any future BCC redevelopment
The Concord Pathway	52	BikePed	Addition of multi-use path		Long (8+yrs.)	Pending future development of BCC
Brandywine Country Club Pathways	53	BikePed	Upgrade multi-use path from Club Ln. to Concord Plaza	Low	Long (8+yrs)	
Springer Middle Connector Network	54	BikePed	Off alignment connection from Largo Rd. to Hoyer Ct. Connector	Medium	Long (8+yrs.)	Multiple property owners
Shipley Road Sidepath	56	BikePed	Upgrade sidewalk to Mult-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202
Shipley Road Intersection Approach	58	BikePed	BikePed			Improve intersection approach for multi-modal
Woodbine Park Wayfinding	59	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Medium (3-8yrs.)	Use of existing Low volume street (Sweetbriar). Provides connection to existing trail at Cardiff Park
Woodbine Park Pathways	64	BikePed	Addition of multi-use path		Long (8+yrs.)	Currently an open field mowed pathway. Private Property
Forever Media Pathways	65	BikePed	Addition of multi-use path connecting Kennedy Rd and Woodbine Park		Long (8+yrs.)	Private Property Currently an open field mowed pathway. Uses existing easement onto Kennedy Rd.
202 Pedestian/ Bicycle Midblock Signal	67	BikePed	Improvements to approach to mid-block crossing along Delaware and Nichols Ave	Medium	Medium (3-8yrs.)	Provide easy access to mid-block crossing.
Powdermill Road Sidepath	69	BikePed	Multi-use path to connect Avenue North with Roack Rd. residential		Medium (3-8yrs.)	Keep
York Road/Concord Pike connector	71	BikePed	Use of existing ROW for multi-use pathway	Low	Long (8+yrs)	County property easement available.
Blue Ball Connector Pathways	77	BikePed	Addition of multi-use path		Long (8+yrs.)	HOA / Private Property
Blue Ball Connector Pathways	78	BikePed	Addition of multi-use path		Long (8+yrs.)	
Foulk Road Sidepath, Weldin to School Ln	80	BikePed	On-alignment side path from Welding to School Lane			Establish connection from Weldin Park to other planned off-alignment pathways
Off-Alignment Side Path: Fairfax Blvd. to Avenue North	81	BikePed	Provide connection from fairfax Blvd. to Avenue North	Medium	Long (8+yrs)	Provides off-corridor bike/ped connection to one of the propped East/West connection points
Willow Run Connector Wayfinding	82a	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low		
Improved bike/ped connection to Talley Day Park	84	BikePed	Provide safer access to Tally walking trail from Foulk Rd	Low	Medium (3-8yrs.)	
Foulkstone Pathway Upgrade	88	BikePed	Upgrade current trail multi-use pathway along Foulkstone Dr. to Saddler Ln.	medium	Long (8+yrs.)	

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Foulkstone Pathway Connector	89	BikePed	Construct multi-use pathway from Tenby Dr. to Sadler Ln.	Low	Long (8+yrs.)	Private Property (BPG)
Penarth Connector	90	BikePed	Addition of multi-use pathway		Long (8+yrs.)	Provide direct bike/ped access to Bonsall Park. Private Property (Church)
Husbands Run Connector	91	BikePed	Off Alignment connection through Woodely Park. Connects Brockton Rd. and Andover Rd.	Low	Long (8+yrs)	Creates direct route to Brockton Rd. to Mid-Block crossing. County property
Fairfax Mall Connector	92	BikePed	Improve existing sidewalk to multi-use path	Low	Medium (3-8yrs.)	Provide connection to Fairfax S.C. and potential new roadway
Springer Middle School Connector Network	94	BikePed	Off alignment pathway from Silverside Rd. to Florence Ave. Sidepath connection	Medium	Long (8+yrs.)	Partial school property and Church property
Chapelcroft Pathway	95	BikePed	Connector to possible future off-alignment path		Long (8+yrs.)	Off alignment. allows for better ped flow. Mostly through County property.
Devonshire Pathway	96	BikePed	Expand existing facility to multit-use pathway		Long (8+yrs.)	Pending development of Concord/Grubb main pathway
Chapelcroft Pathway	97	BikePed	Off Alignment pathway between Amethyst Rd. and Jade Drive		Long (8+yrs.)	Land is currently Public Open Space
Jester Park Pathways	98	BikePed	Connector to possible future off-alignment path		Long (8+yrs.)	Pending development of Concord/Grubb main pathway. Located within County property.
Jester Park Pathways	99	BikePed	Connector to possible future off-alignment path		Long (8+yrs.)	Pending development of Concord/Grubb main pathway. County Property
Shipleigh Road Sidepath, North	105	BikePed	Upgrade sidewalk to Multit-use path		Medium (3-8yrs.)	Uses protected intersection for easy crossing
Shipleigh Heights Connector	110	BikePed	Addition of multi-use path from Dakota Ave. to Beechwood Ave.	Medium	Long (8+yrs.)	Requires Private property (Mary Campbell Center). Some existing ROW near Beechwood Ave.
Shipleigh Heights Connector	111	BikePed	Addition of multi-use path from Simon Rd. to Dakota Dr.	Low	Medium (3-8 yrs.)	Existing ROW available
Lombard Elementary School Paths	112	BikePed	Addition of multi-use path	Medium	Long (8+ yrs.)	School District Property
Forever Media Pathways	114	BikePed	Off alignment pathway connecting Landon Dr. to Cardiff Dr.	Medium	Long (8+yrs.)	More direct E/W connection from neighborhoods to Shipleigh Rd. Private Property and County Parkland
Shipleigh Road Sidepath	127	BikePed	Upgrade sidewalk to Multit-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202
Jester Park Pathways	128	BikePed	Connector to possible future off-alignment path		Long (8+yrs.)	Pending development of Concord/Grubb main pathway
Brandywine Country Club Pathways	131	BikePed	Connection to Underpass Approach		Long (8+yrs)	Pending results of underpass study
Improve 202 Crossing Islands	134	BikePed	To be studied as part of Intersection re-alignment effort	N/A	N/A	
Concord Mall Connectors	135	BikePed	Create side path along the "Los Angeles River" storm drain.	medium	Long (8+yrs.)	Part of any redevelopment of the Mall
Brandywine Commons Pathway	136	BikePed	Completion of pathway along back side of retail/restaurant row		Long (8+yrs)	
Rocky Run Blvd Sidepath	139	BikePed	Upgrade existing sidewalk to multi-use path			
Shipleigh Road Sidepath	143	BikePed	Upgrade sidewalk to Multit-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202
Shipleigh Road Sidepath	144	BikePed	Upgrade sidewalk to Multit-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202

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Talley Day Park Access Improvments	205	BikePed	Upgrade current fence opening to accomdate additional bike usage	Low	Medium (3-8yrs.)	
Shipley Road Intersection Approach	206	BikePed	Improve intersection approach to better accomodate bike/ped traffic out of traffic lanes			
Shipley Road Intersection Approach	207	BikePed	Improve intersection approach to better accomodate bike/ped traffic out of traffic lanes			
Shipley Street Sidepath	208	BikePed	Addition of multi-use path from Wilson Rd. to Foulk Rd.		Long (8+yrs.)	
Shellpot Drive Pathway #2	3a	BikePed	Upgrade existing bikepath to multi-use pathway	Low	Medium (3-8yrs.)	Provides enhanced access to propped Springer Middle School Connector Network
Jewish Community Center Connector	3	BikePed	Connect Lynewaite Farms to JCC Walking Trail	Medium	Medium (3-8yrs.)	
Wayfinding Signage Improvements: Rockfield Dr.	BP111	BikePed	Provide signage/wayfinding for a low-stress street connector from Mall to Devon Park sidepath	Low	Long (8+yrs.)	Utilize low-volume street as bike/ped route to other off-alignment segments. Pending any Mall redevelopment
Does park trail extend through woods????		BikePed	Needs field check		N/A	Cannot tell from aerials
Shellpot Drive Pathway #1	3b	BikePed	Upgrade existing bikepath to multi-use pathway	Low	Medium (3-8yrs.)	Provides enhanced access to propped Springer Middle School Connector Network
Wayfinding Signage Improvements: Sharpley to Waycross	BP44a	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3yrs.)	Use of existing Low volume street to future mid-block crossing.
Off-Alignment Side Path: Fieldstone Rd. to Avenue North access	BP44c	BikePed	provide access from Avenuse North to Fieldstone Rd. via Waycross Rd.	Medium	Medium (3-8yrs.)	Gives dediacted access to off-alignemnt bike/ped route (Fieldstone Rd.)
Off-Alignment Side Path:	BP33	BikePed	Florence Ave. to Silverside		Medium (3-8yrs.)	Provide low-stress bike/ped facility. Feeder to mid-block crossing
Off-Alignment Side Path: Half Acre Dr. to Silverside	BP33	BikePed	Construct sidepath. Joins Commecial area with established low stress roads	Medium	Medium (3-8yrs.)	Provide low-stress bike/ped facility. Business community support
Wayfinding Signage Improvements: Orchard to Whitby.	BP111	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3yrs.)	Use of existing Low volume street to future mid-block crossing.
202 Underpass Connector	141	BikePed	Provide safe approach to proposed underpass and accomodate ecess from North		Long (8+yrs.)	Pending results of underpass study
Concord Highschool/ Naamans Road Connector	101	BikePed	Addiiton a multi-use pathway, extended from Andy's Ln.			Provides direct access to High School. Uses existing easement.
Silverside Road Sidepath	37	Bike Lane	Multi-use pathway from 202 to The Commons	Medium	Long (8+yrs)	
Silverside Road Protected Bike Lane	44	Bike Lane	Develop protected bike lanes	Medium	Long (8+yrs)	Long Term. Due to Speeds, needed to be separated from auto travel
Silverside Road Sidepath	55	Bike Lane	Upgrade existing sidewalk to Multi-use pathway	Medium	Long (8+yrs)	
Silverside Road Protected Bike Lane	57	Bike Lane	Develop protected bike lanes	Medium	Long (8+yrs)	Due to Speeds, needed to be separated from auto travel
Garden of Eden Road Bikelanes	123	Bike Lane	Addition of bike lane from	Low	Short	Shorter term striping project
Silverside Road Protected Bike Lane	125	Bike Lane	Develop protected bike lanes	Medium	Long (8+yrs)	Long Term. Due to Speeds, needed to be separated from auto travel
Silverside Road Protected Bike Lane	126	Bike Lane	Develop protected bike lanes	Medium	Long (8+yrs)	Long Term. Due to Speeds, needed to be separated from auto travel

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Shipleigh Road Connector	145	BikePed	Addition of multi-use path from Wilson Rd. to Dakota Ave.	Low	Medium (3-8yrs.)	
Lombard Elementary School Paths	146	BikePed	On-alignment side path along School Ln.	Medium	Long (8+ yrs.)	School Property
Talley Road Sidepath	147	BikePed	Addition of multi-use path from Simon Rd. Weldin Ridge Rd.	Medium	Medium (3-8yrs.)	Provides connection to DE greenway
Fairfax/ Deerpark Connector Path	148	BikePed	Provide safe approach to Murphy Rd. & Thomas Rd. Intersection	Medium	Medium (3-8yrs.)	Signal to street connector-IMPORTANT!
Weldin Road/ Blue Ball Sidepath	157	BikePed	Addition of multi-use path from William Penn Ln. to Talley Rd.	Medium	Long (8+yrs.)	Provides continued bike/ped access along Wedlin to Rock Manor Area
Murphy/ Foulk Road Non-motorized Crossing	159	BikePed	Off alignment connection from Fairfax Blvd. to Murphy Rd.	Low	Medium (3-8yrs.)	Use of existing ROW Easement and County Property. Avoids geometry problems at Foulk/Wilson Intersection
Murphy/ Foulk Road Non-motorized Crossing	161	BikePed	Addition of multi-use path	Medium	Long (8+ yrs.)	
Lombard Elementary School Paths	162	BikePed	Addition of multi-use path	Medium	Long (8+ yrs.)	
Foulk Road Sidepath	165	BikePed	Addition of multi-use path from Shipleigh Rd. to Murphy Rd.			
Foulk Road Sidepath	166	BikePed	New multi-use path			
Foulk Road Sidepath	167	BikePed	Upgrade existing sidewalk to multi-use sidepath	Medium	Long (8+ years)	
Blue Ball Connector Pathways	168	BikePed	Addition of multi-use path		Long (8+yrs.)	State Property
Lombard Elementary School Paths	169	BikePed	Medium	Medium	Long (8+ yrs.)	School Property
Rocky Run Connector	173	BikePed	Connect Lynwaite Farms to Rocky Run Connector	Low	Medium (3-8yrs.)	Provides off-alignment connection for residents to future North/South connection
Concord Highschool Connector	176	BikePed	Addition of multi-use path from Bellows Dr. to Concord HS athletic complex	Low	Long (8+yrs.)	Provides direct connection from residential area. Uses current roadway easement
Concord Highschool Connector	178	BikePed	Addition of multi-use path		Long (8+yrs.)	Uses partial roadway easement and school property
Concord Highschool Connector	179	BikePed	Addition of multi-use path		Long (8+yrs.)	Easement & School property
Stratford Apt Connector	180	BikePed	Upgrade existing sidewalk to multi-use pathway	Low		
Concord Mall Connectors	181	BikePed	Provide direct access to Mall area from and BCC redevelopment		Long (8+yrs)	To be part of any Mall redevelopment
Bonsall Park Connector	182	BikePed	Addition of Multi-use path	Low	Long (8+yrs.)	Provide better access to Bonsall park
Shipleigh Road Sidepath	185	BikePed	Upgrade sidewalk to Multi-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202
Shipleigh Road Intersection Approach	186	BikePed	Improve intersection approach to better accommodate bike/ped traffic out of traffic lanes		Medium (3-8yrs.)	Improve intersection approach for multi-modal
Shipleigh Road Sidepath	203	BikePed	Upgrade sidewalk to Multi-use path	Medium	Long (8+yrs.)	Serve as a safe North/South connection for residents on Eastern side of 202
Bonsall Park Connector	204	BikePed	Addition of Multi-use path	Low	Long (8+yrs.)	Provide better access to Bonsall park

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Silverside Road Protected Bike Lane	155	Bike Lane	Develop protected bike lanes	Medium	Long (8+ yrs)	Long Term. Due to Speeds, needed to be separated from auto travel
Wilson Road Protected Bike Lane	156	Bike Lane	Protected Bike lane			
Silverside Road Protected Bike Lane	172	Bike Lane	Develop protected bike lanes	Medium	Long (8+ yrs)	Long Term. Due to Speeds, needed to be separated from auto travel
Wilson Road Protected Bike Lane	175	Bike Lane	Add protected bike lane from Shipley to Shadybrook Rd.	Medium	Long	
Sharpley Road bike lane striping	14	Bike Lane	Addition of bike lane from Whitby to Foukstone Rd.	Low	Short (1-3yrs.)	Short term stiping project
Sharpley Road bike lanes	14	Bike Lane	Addition of bike lane from Folkstone to Wynyard Rd.	Medium	Long (8=yrs.)	Provide dedicated bike lane
Wayfinding Signage Improvements: Alders to Silverside Rd..	4B	BikePed	Provide wayfinding to existing low-stress street connector. No new construction	Low	Short (1-3 yrs.)	Provides consistent North/South neighborhood connectivity
Willow Run Connector	82	BikePed	Multi-use path connection from Kerfoot Farm Rd. to Sharpley Rd	Low	Medium (3-8 yrs.)	County property
Rockland Road b Frontage Path	28	BikePed	Create Multi-Use pathway along roadway frontage	Low/Medium	Long (8+ yrs.)	Provides safer bike/ped access to Blue Ball area
Local Roadway Circulator: Widener to Naamans	R16	Road	Reserve ROW for multi-modal circulation road between Widener to Naaman's Rd. through Mall	High	Long (8+ yrs.)	Dependent on any redevelopment of Mall & Widener. U. Provides better manangement of traffic along 202 to help wiith safety/multi-modal improvements
Improved Internal Grid Circulation / Alignment with Rocky Run Intersection	R26	Road	2 lane circulator and Improve Intersection	Medium	Long (8+ yrs.)	Dependent on redevelopment of Widener Univ.
Improved Internal Grid Circulation	R27	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment of Widener Univ.
Improved Internal Grid Circulation	R28	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment
Improved Internal Grid Circulation	R29	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment
Improved Internal Grid Circulation	R30a	Road	2 lane circulator	Medium	Long (8+ yrs.)	Dependent on redevelopment and reconfiguration of Concord Mall S. entrance
Improved Internal Grid Circulation	R30	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment
Improved Internal Grid Circulation	R31	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment of Widener Univ.
Improved Internal Grid Circulation	R31a	Road	2 lane internal circulator road	Medium	Long (8+ yrs.)	Dependent on redevelopment of Widener Univ.
Improved Internal Grid Circulation	R25	Road	2 lane circulator btw. Rocky Run & Woodlawn Rd. with ped facilities	Low	Medium (3-8yrs.)	Provide better multi-modal circulation within parcels
Further Impact Study: Reconfiguration of Silverside/ Garden of Eden Rd.	R9	Road	Explore operational and safety impacts/benefits of reconfiguring and U-turn removal	High	Future Study	Determine if any benefits for vehicles and bike/ped if intersection is redesigned to a more traditional intersection.
Local Roadway Connection behind Fairfax Shop. Cntr.	R2	Road	Reserve ROW for circulation road between Alders Ln. & Murphy Rd.	High	Long (8+ yrs.)	Provide better circulation; reduce 202 congestion. Contingent upon any Fairfax redvelopment
Improved Internal Grid Circulation	R88	Road	2 lane circulator	Medium	Long (8+ yrs.)	Contingent upon any Fairfax redvelopment
Improved Internal Grid Circulation	R89	Road	2 lane circulator	Medium	Long (8+ yrs.)	Contingent upon any Fairfax redvelopment
Improved Internal Grid Circulation	R90	Road	2 lane circulator	Medium	Long (8+ yrs.)	Contingent upon any Fairfax redvelopment
Access management between properties	R33	Road	Create internal access between commercial/retail parcels between Mt. Lebanon Rd. and Silverside Rd.	Medium	Long (8+ yrs.)	Eliminate/combine multiple entrances along 202 to reduce vehicle conflicts and traffic weave

Appendix A: Project Recommendation Matrix

Project	Map ID	Project Mode	Description	Estimated Cost	Estimated Timeframe	Additional Notes and Justification
Further Study: Multiway Concept	R12	Road	Explore impacts/benefits of constructing a multiway from Murphy Rd. to Fairfax Dr.	High	Future Study	Allow better shared access along 202, better multi-modal opportunities
Improved Internal Grid Circulation / Alignment with Rocky Run Intersection	R88	Road	2 lane internal circulator road at North end of Mall. Aligned with Rocky Run Pkwy	Medium	Long (8+ yrs.)	Dependent on redevelopment and reconfiguration of Concord Mall N. entrance
Sharpley Road centerline	27	Road	Remove Center line. Applybike/ped striping,	Low	Short (1-3yrs)	Use of low volume portion of roadway to enhance bike/ped moveemnts near park entrance
Garden of Eden Centerline Removal	124	Road	Removal Center line	Low	Short (1-3yrs)	
Re-Align Concord Mall Entrance	R30a	Road	Re-align Mall access to create 4-way intersection with connector road (to be added as part of any redevelopment)	Medium	Long (8+ yrs.)	Dependent on redevelopment and reconfiguration of Concord Mall properties
Convert to 2-lane connector Road	R29	Road	Convert fire lane to 2-lane collector road. Creates 4-way intersection with realigned Mall entrance	Medium	Long (8+ yrs.)	Only in coordination with any Mall/Widener redevelopment
Removal of portion of Woodlawn Rd. access to 202	12	Road	Removal of access point onto 202.	N/A	N/A	Only in coordindation with Mall/Widner redevelopment as other circulation optaion available
Removal and Realignment of existing Mall Southern entrance	13	Road	Removal and realignment of entrance with a new 2-lane collector Rd. to create 4 way intersection	N/A	N/A	Only in coordination with Mall/Widener redevelopment as other circulation optaion available
Further Study: Multiway Concept	R12a	Road	Explore impacts/benefits of constructing a multiway from Beaver Valley Rd. to Rocky Run Blvd.	High	Future Study	Allow better shared access along 202, better multi-modal opportunities